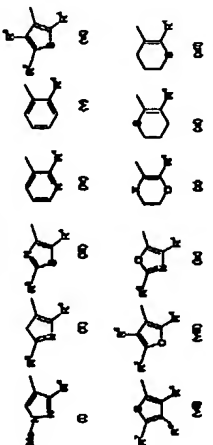


<p>2002-134670/18 C03 SUMITOMO CHEM CO LTD 2000.04.20 2000-119399(+2000JP-119399) (2001.10.31) C07C 233/64, A01N 37/22, 43/08, 43/10, 43/16, 43/18, 43/32, C07D 231/14, 277/32, 263/34, 335/02, 333/38, 327/06, 309/28, 307/68, 213/82, A01N 43/40, 43/56, 43/76, 43/78, 55/00 New biphenyl compounds, useful as agricultural and horticultural bactericidal agents C2002-041978</p>	<p>C(6-A2, 6-A3, 7-HI, 14-A1) .4</p>
<p><u>NOVELTY</u> Biphenyl compounds (I) are new.</p> <p><u>DETAILED DESCRIPTION</u> Biphenyl compounds of formula (I) are new.</p>	<div data-bbox="560 808 836 1050"> <p>(I)</p> </div> <p>R¹ = 1-10C alkyl, 1-10C haloalkyl, 2-10C alkenyl, 2-10C alkynyl, 3-10C cycloalkyl, 5-10C cycloalkenyl, 1-10C alkoxy, 1-10C haloalkoxy, 1-10C alkylthio, 1-10C haloalkylthio or Cl; n = 0-3; m = 0-5; R³ = halo, 1-10C alkyl, 1-10C haloalkyl, 1-10C alkoxyalkyl, 1-10C alkoxy, 1-10C haloalkoxy, 1-10C alkylthio, 1-10C haloalkylthio, 2-10C alkenyl, 2-10C alkynyl, 3-10C cycloalkyl, 5-10C cycloalkenyl, 1-10C alkoxy, 1-10C haloalkoxy, 1-10C alkylthio, 1-10C haloalkylthio or Cl; JP 2001302605-A+</p>

<p>cycloalkenyl, 2-6C alkoxy carbonyl, 3-30C trialkylsilyl; or $2R^3 = 3-5C$ alkylene, 3-5C haloalkylene, 2-4C alkyleneoxy, 2-4C haloalkyleneoxy, 1-3C alkyleneoxy, or 1-3C haloalkylenedioxy; A = a group of formula (i)-(xii); $R^4 = \text{halo}$, 1-4C alkyl, 1-4C haloalkyl or cyano; $R^5 = H$, 1-4C alkyl or 1-4C haloalkyl; $R^6 = H$, halo, 1-4C alkyl, 1-4C haloalkyl, amino or cyano; $R^7 = H$, 1-4C alkyl or 1-4C haloalkyl; and X = S, SO, SO_2, or CH_2.</p>  <p>(i) (ii) (iii) (iv) (v) (vi) (vii) (viii) (ix) (x) (xi) (xii)</p> <p><u>ACTIVITY</u> Antibacterial; Plant protectant.</p> <p><u>MECHANISM OF ACTION</u></p>	<p>None given.</p> <p><u>USE</u> Biphenyl compounds (I) are useful as agricultural horticultural bactericides.</p> <p><u>ADVANTAGE</u> The novel biphenyl compound has high plant disease controlling activities. (32pp055DwgNo.0/0)</p>
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BIPHENYL COMPOUND AND ITS USE

Publication number: JP2001302605

Publication date: 2001-10-31

Inventor: SAKAGUCHI YASUSHI

Applicant: SUMITOMO CHEMICAL CO

Classification:

- international: C07D327/06; A01N37/22; A01N43/08; A01N43/10;
A01N43/16; A01N43/18; A01N43/32; A01N43/40;
A01N43/56; A01N43/76; A01N43/78; A01N55/00;
C07C233/64; C07D213/82; C07D231/14; C07D263/34;
C07D277/20; C07D277/32; C07D307/68; C07D309/28;
C07D333/38; C07D335/02; A01N37/22; C07D213/82;
C07D327/00; A01N37/22; A01N43/02; A01N43/34;
A01N43/48; A01N43/72; A01N55/00; C07C233/00;
C07D213/00; C07D231/00; C07D263/00; C07D277/00;
C07D307/00; C07D309/00; C07D333/00; C07D335/00;
A01N37/22; C07D213/00; (IPC1-7): C07C233/64;
A01N37/22; A01N43/08; A01N43/10; A01N43/16;
A01N43/18; A01N43/32; A01N43/40; A01N43/56;
A01N43/76; A01N43/78; A01N55/00; C07D213/82;
C07D231/14; C07D263/34; C07D277/32; C07D307/68;
C07D309/28; C07D327/06; C07D333/38; C07D335/02

- european:

Application number: JP20000119399 20000420

Priority number(s): JP20000119399 20000420

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Abstract of JP2001302605

PROBLEM TO BE SOLVED: To obtain a compound having an excellent plant pest control effect.

SOLUTION: This biphenyl compound is expressed by general formula [wherein R1 expresses a 1-10C alkyl, a-10C haloalkyl; n expresses 0-3 integer; R2 expresses fluorine; m expresses 0-5 integer; R3 is the same or different and expresses a halogen, a 1-10C alkyl; A expresses a group expressed by the following A1 wherein R4 expresses a halogen or the like}].

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